Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/11/2019 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123964	-1	2.44	124060	2.38
Blue	F	SSC	125000	124130	-1	1.59	124993	1.60
Blue	E	FITC	16433	16015	-3	2.86	349	19.81
Blue	D	PE	27595	27182	-2	2.07	593	14.30
Blue	B	PerCP-Cy5-5	43183	42715	-2	3.85	1147	20.23
Blue	A	PE-Cy7	31943	31812	-1	6.30	611	40.17
Red	C	APC	42819	42433	-1	2.31	1503	11.73
Red	A	APC-Cy7	31261	30293	-4	2.26	806	11.71
Violet	B	V450	6527	6244	-5	4.92	349	13.56
Violet	A	V500	24533	23333	-5	4.76	542	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17772	13.18	614	14	N/A	N/A	Pass
Blue	F	SSC	56421	1.27	555	7	N/A	N/A	Pass
Blue	E	FITC	64	62.06	541	2	0.0204	110	Pass
Blue	D	PE	124	48.23	538	4	0.1775	282	Pass
Blue	B	PerCP-Cy5-5	212	49.42	649	7	0.0092	58	Pass
Blue	A	PE-Cy7	112	100.82	696	7	0.0113	19	Pass
Red	C	APC	358	24.88	578	-5	0.0266	202	Pass
Red	A	APC-Cy7	177	28.05	557	-6	0.0058	870	Pass
Violet	B	V450	53	62.73	449	-6	0.0552	2550	Pass
Violet	A	V500	82	33.36	460	-7	0.0238	791	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.66	1.03
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.61	13.60 - 20.40	N/A	N/A	29.46	29.78	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10492

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments